

SPECIFICATIONS
FOR
INSTALLATION OF FLOW METERS/SENSORS AND
CHEMICAL METERING PUMPS
NINTH DIVISION
DISTRICT III REST AREAS

REQ. #: _____

SNAP. #: _____

1.0 CONTRACTORS REQUIREMENTS -GENERAL

- 1.1 PURSUANT TO SECTION 34-8-1 (a) OF THE CODE OF ALABAMA, EACH CONTRACTOR **MUST** SUBMIT WITH THEIR BID PROOF OF LICENSING THROUGH THE ALABAMA STATE BOARD OF LICENSING FOR GENERAL CONTRACTORS, WITH APPROVED MAXIMUM BID LIMITS SUFFICIENT TO COVER THE BID RELATED TO THIS SPECIFICATION. **FAILURE TO COMPLY WILL BE CAUSE FOR REJECTION OF THE BID.** A COPY OF THE VENDORS CURRENT YEAR'S LICENSE WILL EXPEDITE THE EVALUATION PROCESS.

*** **APPLIES TO BIDS IN EXCESS OF \$50,000 ONLY!** ***

- 1.2 EACH CONTRACTOR SHOULD SUBMIT WITH THEIR BID PROOF OF GENERAL LIABILITY INSURANCE IN THE MINIMUM AMOUNT OF \$1,000,000.00 AGGREGATE TO INCLUDE A MINIMUM OF \$1,000,000.00 PROPERTY DAMAGE PER OCCURRENCE AND \$1,000,000.00 BODILY INJURY. EACH CONTRACTOR SHALL FURTHER PROVIDE PROOF OF WORKMANS COMPENSATION INSURANCE SUFFICIENT TO SATISFY ALL LEGAL REQUIREMENTS OF THE STATE OF ALABAMA. **FAILURE TO PROVIDE THIS DOCUMENTATION WITH THE BID PACKAGE WILL DELAY THE EVALUATION PROCESS.** INSURANCE CERTIFICATES WILL BE REQUIRED FROM THE SUCCESSFUL VENDOR INDICATING THE **STATE OF ALABAMA, DEPARTMENT OF FINANCE, DIVISION OF PURCHASING** AS CERTIFICATE HOLDER. THIS CERTIFICATE MUST BE PROVIDED PRIOR TO AWARD OF PURCHASE ORDER.
- 1.3 OMIT
- 1.4 DUE TO THE NATURE OF THIS PROJECT, AWARD WILL BE MADE ON AN "**ALL OR NONE**" BASIS TO THE RECOMMENDED VENDOR, WHO DURING THE COURSE OF OUR BID EVALUATION IS FOUND TO BE THE LOWEST RESPONSIBLE BIDDER.
- 1.5 ALL DOCUMENTATION REQUESTED SHOULD BE PROVIDED WITH THE BID DOCUMENT IN ORDER TO EXPEDITE THE BID EVALUATION PROCESS. NO AWARD WILL BE MADE UNTIL ALL DOCUMENTATION HAS BEEN RECEIVED FROM THE SUCCESFULL VENDOR.

2.0 CONTRACTOR RESPONSIBILITIES - GENERAL

- 2.1 ALL WORKMANSHIP SHALL BE OF A PROFESSIONAL QUALITY AND STANDARD AS GENERALLY ACCEPTED IN THE TRADE. ALL WORKMANSHIP IS SUBJECT TO INSPECTION AND APPROVAL BY THE ALDOT DISTRICT MANAGER, OR HIS DESIGNEE, AND MUST MEET THE REQUIREMENTS OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (CURRENT EDITION) AS WELL AS ANY STANDARD DRAWINGS, SPECIAL DRAWINGS AND SPECIAL PROVISIONS THAT MAY APPLY.
- 2.2 IT IS THE INTENT OF ALDOT TO KEEP THE REST AREA FACILITIES OPEN AND IN OPERATION AT ALL TIMES UNLESS CLOSURE IS DEEMED NECESSARY BY THE DISTRICT MANAGER OR HIS DESIGNEE.
- 2.3 OMIT

- 2.4 BIDS SHALL BE OPENED AT THE ALABAMA DEPARTMENT OF TRANSPORTATION, DIVISION NINE, DISTRICT THREE OFFICE LOCATED AT 10610 US HWY 31 SOUTH, EVERGREEN, ALABAMA 36401 ON _____.
- 2.4 BID PRICES SHALL INCLUDE ALL EQUIPMENT, TOOLS, LABOR, TRANSPORTATION AND OTHER INCIDENTALS NECESSARY FOR THE COMPLETION OF THIS WORK IN AN APPROVED AND SATISFACTORY MANNER.
- 2.5 THE PERFORMANCE OF ANY WORK UNDER THIS SPECIFICATIONS WILL NOT BE DEEMED COMPLETE UNTIL THE CONTRACTOR HAS SATISFACTORIALLY REMOVED ALL DEBRIS, AND CLEANED UP THE WORK SITE. AT NO TIME DURING THE PERFORMANCE OF WORK WILL MATERIALS, DEBRIS OR TRASH BE ALLOWED TO ACCUMULATE IN SUCH A MANNER AS TO ENDANGER THE SAFE PERFORMANCE OF THE WORK OR THE SAFE USE OF THE FACILITY BY THE EMPLOYEES AND VISITORS.
- 2.6 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ANY AND ALL UTILITIES WHERE CONFLICTS WITH THIS WORK IS POSSIBLE AND FACILITATE THE LOCATIONS AND MARKINGS OF AFFECTED UTILITIES BEFORE WORK IS STARTED.

3.0 WORK SCOPE

- 3.1 INSTALL FLOW METERS, SENSORS, AND METERING PUMPS
- THE CONTRACTOR SHALL INSTALL FLOW METERS, SENSORS AND METERING PUMPS AT EACH LOCATION. NEW FLOW METERS, SENSORS AND METERING PUMPS SHALL BE EQUAL TO THE FOLLOWING BRAND AND TYPE OR BETTER:
 - PROSONIC MODEL #FMU90-R41CA112AA1A FLOW METER WITH THE FOLLOWING FEATURES:
 - CONTINUOUS AND SWITCH OPERATION
 - SETUP/DIAGNOSTIC SOFTWARE INCLUDED
 - 32 FT. LINEARIZATION
 - AUTOMATIC SENSOR RECOGNITION
 - NEMA 4X ENCLOSURE
 - OUTPUT: 4-20 mA
 - PROSONIC MODEL #SFDU91 SENSOR WITH THE FOLLOWING FEATURES:
 - CONTACT-LESS
 - SENSOR MATERIAL: PVDF
 - EMEC MODEL #V-CO-1804-4-0003 PUMP FOR LIQUID CHOLORINE AND SODIUM BISULFIDE
 - NEW PUMPS AND FLOW METERS SHALL BE INTER-CONNECTED SUCH THAT CHEMICALS WILL BE METERED ACCORDING TO THE REAL TIME FLOWS EXITING THE LAGOONS.
- 3.4 WARRANTY & PAYMENT
- CONTRACTOR SHALL WARRANT ALL INSTALLED NEW EQUIPMENT AND DEVICES FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE.
 - BIDS WILL BE ANALYZED ON THE TOTAL LUMP SUM. ALDOT RESERVES THE RIGHT TO REJECT ANY BID BASED ON BUGETARY CONSTRAINTS.
 - PAYMENT SHALL BE ONE (1) LUMP SUM FOR ALL CONTRACTED WORK WHEN COMPLETED, INSTALLED AND ACCEPTED. CONTRACTOR SHALL SUBMIT ONE (1) INVOICE UPON FINAL ACCEPTANCE.

3.5 LOCATION OF INSTALLATION:

ALABAMA DEPARTMENT OF TRANSPORTATION
NORTH AND SOUTH BOUND INTERSTATE 65 REST AREA LAGOONS
CONECUH COUNTY
EVERGREEN, ALABAMA 36401

- 3.6 ON-SITE STORAGE OF MATERIAL AND EQUIPMENT IS TO BE COORDINATED THROUGH MR. ROBERT B. MADDOX, DISTRICT MANAGER, OR MR. DAVID JOHNSON, ASST. DISTRICT MANAGER.
- 3.7 CONTRACTOR IS FULLY RESPONSIBLE FOR THE SECURITY OF ANY MATERIALS AND EQUIPMENT STORED ON-SITE.
- 3.8 THE CONTRACTOR SHALL USE EXTREME CARE AND CAUTION WHILE WORKING AROUND PERMANENT STRUCTURES SUCH AS INLET PIPES, CROSS OVER PIPES, OUTLET PIPES, MANHOLES, CONCRETE SLOPE PAVING, CONCRETE DRAINAGE FLUMES, CONCRETE CHEMICAL BASINS, ELECTRIC SERVICE, ETC.
- 3.9 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STATE OR PERSONAL PROPERTY THAT RESULTS FROM WORK PERFORMED.
- 3.10 CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN UP AND DISPOSAL OF ALL MATERIAL AND DEBRIS THAT IS THE RESULT OF ALL WORK PERFORMED.
- 3.11 WORK SCHEDULE SHALL BE MONDAY THROUGH FRIDAY 6 A.M. TO 6 P.M. AT THE REST AREAS. PROPERTY ACCESS AND OTHER ASPECTS OF THE PROJECT SHALL BE COORDINATED THROUGH MR. ROBERT B. MADDOX, DISTRICT MANAGER, OR MR. DAVID JOHNSON, ASST. DISTRICT MANAGER.
- 3.12 SINGLE PHASE ELECTRICAL SERVICE IS PRESENT AT BOTH FACILITY LOCATIONS.
- 4.0 OMIT
- 4.1 CONTRACTOR SHALL COMPLETE THE PROJECT FOR FINAL INSPECTION WITHIN 30 CALANDER DAYS FROM THE DATE OF "NOTICE TO PROCEED".

THE ALABAMA DEPARTMENT OF TRANSPORTATION RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.